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Subject: Re: HDF\_SD\_START: Invalid HDF file or filename: problem related to network issues

Posted by [Andy Sayer](#) on Tue, 22 Oct 2013 18:37:34 GMT

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Hi Rob :)

This has happened to me a lot so I'm also interested if there's a solution... I normally manually copy-paste the line the code failed on, and then type .continue after to resume it. It works, but requires manual intervention.

Andy

On Tuesday, October 22, 2013 2:06:50 PM UTC-4, Robert Levy wrote:

> Hi all,

>

> I am a group newbie, so i apologize if a solution exists but I didn't find.

>

>

>

> Anyway, I am running a giant script to read thousands of MODIS HDF data files, which the files are located on a LVES mount (data are virtually mounted through a network).

>

>

>

> So the problem seems to be that there are occasional network "blips" that happen. For example, I run these command:

>

>

>

> 1) determine that the file exists and is a proper HDF file

>

>   fileHandle = HDF\_OPEN(Filename, /READ )

>

>   IF fileHandle LT 1 THEN BEGIN

>

>     errorLevel = 1

>

>     Return, errorLevel

>

>   ENDIF

>

>   HDF\_CLOSE, fileHandle

>

>

>

>

>

> 2) Then I go and actually open the file:  
>  
>  
>  
> hdfid = HDF\_SD\_START(Filename, /READ)  
>  
>  
>  
>  
>  
> This is where the code bombs and gives me:  
>  
> HDF\_SD\_START: Invalid HDF file or filename  
>  
>  
>  
> and stops my whole code. This file exists and is a perfectly fine file.  
>  
>  
>  
>  
>  
> Note that this may happen after the code is running for days (opening and closing files). If I try  
a second later, it works fine. Is there any way to have HDF\_SD\_START exit gracefully, and return  
an error code, rather than stop with error message? Then I could know it is a network problem  
and try again a few seconds later.  
>  
>  
>  
> Thanks for any ideas.  
>  
>  
>  
> -Rob

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